CONTENTS VOL. 2, 1989

Vol. 2 No. 1 *MARCH 1989*

Fast crude-oil heavy-component characterization using combination of ASTM, HPLC, and GPC methods
K.J. Leontaritis and G.A. Mansoori (Chicago, IL, U.S.A.) 1
Production history analysis in predicting "dry" gas-well performance
K. Aminian, S. Ameri, P.S. Puon and H.H. Rieke (Morgantown, WV, U.S.A.) 13
Porosity types in complex carbonate reservoirs based on petrophysical studies
O.E. Ryskal, V.F. Malinin and R.T. Akhmetov (U.S.S.R.) 27
Injection profile effects caused by gravity segregation in deviated wellbores
B.S. Aadnoy and O.M. Mathiassen (Stavanger, Norway) 31
Computer program for the minimization of development costs for offshore oil and gas fields
R.W. Lenzen and R.A. Startzman (College Station, TX, U.S.A.) 45
Wettability alteration and restoration for cores contaminated with oil-based muds
J. Yan and M.M. Sharma (Austin, TX, U.S.A.) 63

Book reviews 77
Gas Production Engineering, by S. Kumar — G.V. Chilingarian 77
Wellsite Geological Techniques for Petroleum Exploration (Methods and Systems of Formation Evaluation), by B. Sahay, A. Rai and M. Gosh — G.V. Chilingarian 77
Surface Operations in Petroleum Production, I, by G.V. Chilingarian, J.O. Robertson and S. Kumar — F. Civan 78

Calendar of events 79

Guide for authors

Vol. 2 No. 2/3 *APRIL 1989*
Special Issue: Enhanced Oil Recovery
Edited by H.Y. de Haan

Chemical flooding — status report
D.G. Kessel (Clausthal-Zellerfeld, F.R.G.) 81
Status report on miscible/immiscible gas flooding
P.G.H. Bath, (London, U.K.) 103
The feasibility of Tertiary nitrogen injection in waterflooded volatile oil reservoirs in the North Sea
H. Niko, A.M. Schulte, J.K. Drohm (Rijswijk, The Netherlands) and C.W. Cottrell (London, U.K.) 119
BEB-operated thermal projects: comparison of performance to forecast
K.M. Reinicke (The Hague, The Netherlands), B. Wiethoff (Hannover, F.R.G.)and D.P. Sobocinski (Houston, TX, U.S.A.) 129
Capillary behaviour of multi-phase systems in porous media
D.M. Boersma, J. Bruining, H. Ronde and R.A. Gotlieb (Delft, The Netherlands) 141
Analysis of trends in U.S.A. enhanced oil-recovery projects
R.D. Thomas (Bartelsville, OK, U.S.A.), G.J. Stosur (Washington, DC, U.S.A.) and J.F. Pautz (Bartelsville, OK, U.S.A.) 149
Reservoir engineering approach to viscosity grading in polymer drives
D.J. Ligthelm (Rijswijk, The Netherlands) 159
Pore-level visual investigation of miscible and immiscible displacements
A. Danesh, D. Krinis, G.D. Henderson and J.M. Peden (Edinburgh, U.K.) 167
Emeraude vapeur — an offshore steam pilot
B. Couderc, D. Monfrin, L. Quettier and B. Sahuquet (Pau Cedex, France) 179
Steam with additives: field projects of the eighties
L.M. Castanier (Stanford, CA, U.S.A.) 193

Reconciliation of contradictory ROS data from a Venezuelan light-oil sandstone reservoir
J.A. Roest, D.J. Runia (Rijswijk, The Netherlands) and R. Trebolle (Caracas, Venezuela) 207
Gravity drainage in a fissured reservoir with fluids not in equilibrium
Ch. Jacquin, B. Legait, J.M. Martin (Rueil-Malmaison, France), A. Nectoux, F. Anterion (Pau, France) and M. Rioche (Paris-La Défense, France) 217
Modelling pore-scale displacement processes at near-critical conditions
J.K. Williams and R.A. Dawe (London, U.K.) 225
Method for adsorption reduction of mixed surfactant systems
L. Minssieux (Rueil-Malmaison, France) 235

Vol. 2 No. 4 *JULY 1989*

Editorial note
Relative permeability concepts
G.V. Chilingarian (Los Angeles, CA, U.S.A.) 245

Research papers
Use of optimal control theory to optimize carbon dioxide miscible-flooding enhanced oil recovery
G.J. Mehos and W.F. Ramirez (Boulder, CO, U.S.A.) 247
Drilling rate model for Louisiana formations
M. Bizanti (Ruston, LA, U.S.A.) 261
Production of liquid hydrocarbons from a geopressured gas well: migration of dispersed hydrocarbons induced by brine flow
O. Weres, Chi H. Jun and L. Tsao (Berkeley, CA, U.S.A.) 269
Applying fractional flow theory to solvent flooding and chase fluids
M.P. Walsh (College Station, TX, U.S.A.) and L.W. Lake (Austin, TX, U.S.A.) 281
Prediction of fluid flow parameters in a gas-cut mud, 2. Mathematical approach to the determination of the rate of gas bubble rise in a gas-cut mud
G.A. Chukwu (Norman, OK, U.S.A.) and J.A. Ajienka (Port Harcourt, Nigeria) 305
A study of the impact of instability on relative permeability and capillary pressure
H.K. Sarma and R.G. Bensen (Edmonton, Alta., Canada) 311
A method for reducing model error when estimating relative permeabilities from displacement data
H.K. Sarma and R.G. Bentsen (Edmonton, Alta., Canada) 331
Stresses around horizontal boreholes drilled in sedimentary rocks
B.S. Aadnoy (Stavanger, Norway) 349
Characterisation of facies-related variation of reservoir quality in the Tazerka field, offshore Tunisia
I.D. Bryant (Rijswijk, The Netherlands) and A. Ben Brahim (Tunis, Tunisia) 361
Solution-gas drive: experiments and simulation
J.C. Moulu (Rueil Malmaison, France) 379

Book Reviews
Carbonate–Clastic Transitions, by L.Y. Doyle and H.H. Roberts (Editors) — S.J. Mazzullo 387
Well Logging for Earth Scientists, by D.V. Ellis — E.C. Donaldson 389

Announcement 391

Erratum 393

Contents Vol. 2 395